

APRIL/MAY 2024

**CMB61 — MEDICAL VIROLOGY AND  
PARASITOLOGY**



Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Define viroids.
2. Mention any two ssRNA viruses.
3. What is Arthropod borne virus?
4. What is rodent borne viral diseases?
5. Mention any two inactivated vaccines.
6. Mention any two live-attenuated vaccines.
7. Define Cyst
8. Define ring form.
9. Define Ascariasis
10. What is elephantiasis?



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the structure of viruses.
- Or
- (b) Briefly explain serological diagnosis of viral infections.
12. (a) Give a short account on rodent borne viral disease.
- Or
- (b) Infer note on SARS.
13. (a) Comment on Rota virus.
- Or
- (b) Briefly explain types of viral vaccines.
14. (a) Comment on concentration methods for parasitic disease identification.
- Or
- (b) Explain the blood smear preparation technique and staining technique.
15. (a) Discuss about the liver fluke.
- Or
- (b) Explain the life cycle of round worm.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain methods of virus identification.
17. Write an essay on Hepatitis Virus.
18. Write an essay on interferons.
19. Write the life cycle, pathogenesis and laboratory diagnosis of leishmaniasis.
20. Explain about life cycle pathogenicity and laboratory diagnosis of Filariasis.

